

Zoe K Shipton

List of Publications by Year in descending order

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Version: 2024-02-01

59
papers

2,641
citations

279798

23
h-index

189892

50
g-index

72
all docs

72
docs citations

72
times ranked

2313
citing authors

#	ARTICLE	IF	CITATIONS
1	Mixed-Mode Fracture Modelling of the Near-Wellbore Interaction Between Hydraulic Fracture and Natural Fracture. <i>Rock Mechanics and Rock Engineering</i> , 2022, 55, 5433-5452.	5.4	7
2	Microseismic Events Cause Significant pH Drops in Groundwater. <i>Geophysical Research Letters</i> , 2021, 48, e2020GL089885.	4.0	3
3	Extreme capillary heterogeneities and in situ fluid compartmentalization due to clusters of deformation bands in sandstones. <i>International Journal of Greenhouse Gas Control</i> , 2021, 106, 103280.	4.6	4
4	Modelling Rock Fracture Induced By Hydraulic Pulses. <i>Rock Mechanics and Rock Engineering</i> , 2021, 54, 3977-3994.	5.4	25
5	Fracking bad language â€“ hydraulic fracturing and earthquake risks. <i>Geoscience Communication</i> , 2021, 4, 303-327.	0.9	3
6	Discussion on â€“Borehole temperature log from the Glasgow Geothermal Energy Research Field Site: a record of past changes to ground surface temperature caused by urban developmentâ€™, <i>Scottish Journal of Geology</i> , 56, 134-152, https://doi.org/10.1144/sjg2019-033 . <i>Scottish Journal of Geology</i> , 2021, 57, sjg2020-014.	0.1	0
7	Fault fictions: systematic biases in the conceptualization of fault-zone architecture. <i>Geological Society Special Publication</i> , 2020, 496, 125-143.	1.3	11
8	Detailed internal structure and along-strike variability of the core of a plate boundary fault: the Highland Boundary fault, Scotland. <i>Journal of the Geological Society</i> , 2020, 177, 283-296.	2.1	6
9	Geological and mineralization characteristics of the Kestanelik epithermal Au-Ag deposit in the Tethyan Metallogenic Belt, NW Turkey. <i>Geosciences Journal</i> , 2020, 24, 407-424.	1.2	4
10	Comment on â€“Repurposing Hydrocarbon Wells for Geothermal Use in the UK: The Onshore Fields with the Greatest Potential. Watson et al. (2020)â€™. <i>Energies</i> , 2020, 13, 6373.	3.1	1
11	Fault seal behaviour in Permian Rotliegend reservoir sequences: case studies from the Dutch Southern North Sea. <i>Geological Society Special Publication</i> , 2020, 496, 9-38.	1.3	7
12	Collapse processes in abandoned pillar and stall coal mines: Implications for shallow mine geothermal energy. <i>Geothermics</i> , 2020, 88, 101904.	3.4	19
13	Improving earthquake ground-motion predictions for the North Sea. <i>Journal of Seismology</i> , 2020, 24, 343-362.	1.3	2
14	Subcore Scale Fluid Flow Behavior in a Sandstone With Cataclastic Deformation Bands. <i>Water Resources Research</i> , 2020, 56, e2019WR026715.	4.2	9
15	The growth of faults and fracture networks in a mechanically evolving, mechanically stratified rock mass: a case study from Spireslack Surface Coal Mine, Scotland. <i>Solid Earth</i> , 2020, 11, 2119-2140.	2.8	9
16	Inter-seasonal compressed-air energy storage using saline aquifers. <i>Nature Energy</i> , 2019, 4, 131-139.	39.5	84
17	Automated high accuracy, rapid beam hardening correction in X-Ray Computed Tomography of multi-mineral, heterogeneous core samples. <i>Computers and Geosciences</i> , 2019, 131, 144-157.	4.2	18
18	Structural controls on the location and distribution of CO2 emission at a natural CO2 spring in Daylesford, Australia. <i>International Journal of Greenhouse Gas Control</i> , 2019, 84, 36-46.	4.6	10

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19	How do we see fractures? Quantifying subjective bias in fracture data collection. <i>Solid Earth</i> , 2019, 10, 487-516.	2.8	38
20	Mini thief zones: Subcentimeter sedimentary features enhance fracture connectivity in shales. <i>AAPG Bulletin</i> , 2019, 103, 951-971.	1.5	4
21	Repeated reactivation of clogged permeable pathways in epithermal gold deposits: Kestanelik epithermal vein system, NW Turkey. <i>Journal of the Geological Society</i> , 2018, 175, 509-524.	2.1	8
22	Detection of Weak Seismic Signals in Noisy Environments from Unfiltered, Continuous Passive Seismic Recordings. <i>Bulletin of the Seismological Society of America</i> , 2018, 108, 2993-3004.	2.3	3
23	Measurement of diesel combustion-related air pollution downwind of an experimental unconventional natural gas operations site. <i>Atmospheric Environment</i> , 2018, 189, 30-40.	4.1	12
24	Reaction-induced porosity fingering: Replacement dynamic and porosity evolution in the KBr-KCl system. <i>Geochimica Et Cosmochimica Acta</i> , 2018, 232, 163-180.	3.9	19
25	Along-strike fault core thickness variations of a fault in poorly lithified sediments, Miri (Malaysia). <i>Journal of Structural Geology</i> , 2018, 116, 189-206.	2.3	15
26	Meso-scale mixed-mode fracture modelling of reinforced concrete structures subjected to non-uniform corrosion. <i>Engineering Fracture Mechanics</i> , 2018, 199, 114-130.	4.3	40
27	The physical characteristics of a CO ₂ seeping fault: The implications of fracture permeability for carbon capture and storage integrity. <i>International Journal of Greenhouse Gas Control</i> , 2017, 61, 49-60.	4.6	40
28	Seismic slip on the west flank of the Upper Rhine Graben (France-Germany): evidence from tectonic morphology and cataclastic deformation bands. <i>Geological Society Special Publication</i> , 2017, 432, 147-161.	1.3	9
29	Natural CO ₂ sites in Italy show the importance of overburden geopressure, fractures and faults for CO ₂ storage performance and risk management. <i>Geological Society Special Publication</i> , 2017, 458, 181-211.	1.3	16
30	Fault zone hydrogeology: introduction to the special issue. <i>Geofluids</i> , 2016, 16, 655-657.	0.7	11
31	Effective crustal permeability controls fault evolution: An integrated structural, mineralogical and isotopic study in granitic gneiss, Monte Rosa, northern Italy. <i>Tectonophysics</i> , 2016, 690, 160-173.	2.2	12
32	Increasing the quality of seismic interpretation. <i>Interpretation</i> , 2016, 4, T395-T402.	1.1	26
33	Reducing the environmental impact of hydraulic fracturing through design optimisation of positive displacement pumps. <i>Energy</i> , 2016, 115, 1216-1233.	8.8	36
34	Brittle structures focused on subtle crustal heterogeneities: implications for flow in fractured rocks. <i>Journal of the Geological Society</i> , 2014, 171, 509-524.	2.1	17
35	Dilational fault zone architecture in a welded ignimbrite: The importance of mechanical stratigraphy. <i>Journal of Structural Geology</i> , 2013, 51, 156-166.	2.3	15
36	Scale-dependent influence of pre-existing basement shear zones on rift faulting: a case study from NE Brazil. <i>Journal of the Geological Society</i> , 2013, 170, 237-247.	2.1	47

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37	Man-made versus natural CO ₂ leakage: A 400 k.y. history of an analogue for engineered geological storage of CO ₂ . <i>Geology</i> , 2013, 41, 471-474.	4.4	81
38	Stress, faulting, fracturing and seismicity: the legacy of Ernest Masson Anderson. <i>Geological Society Special Publication</i> , 2012, 367, 1-6.	1.3	11
39	Pulses of carbon dioxide emissions from intracrustal faults following climatic warming. <i>Nature Geoscience</i> , 2012, 5, 352-358.	12.9	101
40	The depth of pseudotachylite formation from detailed thermochronology and constraints on coseismic stress drop variability. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	33
41	When There isn't a Right Answer: Interpretation and reasoning, key skills for twenty-first century geoscience. <i>International Journal of Science Education</i> , 2011, 33, 629-652.	1.9	36
42	Microseismicity illuminates open fractures in the shallow crust. <i>Geophysical Research Letters</i> , 2011, 38, n/a-n/a.	4.0	23
43	He and Ne as tracers of natural CO ₂ migration up a fault from a deep reservoir. <i>International Journal of Greenhouse Gas Control</i> , 2011, 5, 1507-1516.	4.6	61
44	Simulating brittle fault evolution from networks of pre-existing joints within crystalline rock. <i>Journal of Structural Geology</i> , 2010, 32, 1742-1753.	2.3	22
45	Structural controls on leakage from a natural CO ₂ geologic storage site: Central Utah, U.S.A.. <i>Journal of Structural Geology</i> , 2010, 32, 1768-1782.	2.3	158
46	Pseudotachylites: Rarely Generated, Rarely Preserved, or Rarely Reported?. <i>Bulletin of the Seismological Society of America</i> , 2009, 99, 382-388.	2.3	91
47	Geologic evidence for multiple slip weakening mechanisms during seismic slip in crystalline rock. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	38
48	Zircon dissolution in a ductile shear zone, Monte Rosa granite gneiss, northern Italy. <i>Mineralogical Magazine</i> , 2008, 72, 971-986.	1.4	17
49	Strike-slip fault terminations at seismogenic depths: The structure and kinematics of the Glacier Lakes fault, Sierra Nevada United States. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	37
50	Simulating brittle fault growth from linkage of preexisting structures. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	42
51	How can we improve estimates of bulk fault zone hydraulic properties?. <i>Geological Society Special Publication</i> , 2008, 299, 231-237.	1.3	19
52	Deformation bands in sandstone: a review. <i>Journal of the Geological Society</i> , 2007, 164, 755-769.	2.1	552
53	How thick is a fault? Fault displacement-thickness scaling revisited. <i>Geophysical Monograph Series</i> , 2006, , 193-198.	0.1	88
54	Natural Leaking CO ₂ -Charged Systems as Analogs for Failed Geologic Storage Reservoirs. , 2005, , 699-712.		42

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55	Anatomy of reservoir-scale normal faults in central Utah: Stratigraphic controls and implications for fault zone evolution and fluid flow. , 2005, , 261-282.		5
56	Analysis of CO ₂ leakage through "low-permeability" faults from natural reservoirs in the Colorado Plateau, east-central Utah. Geological Society Special Publication, 2004, 233, 43-58.	1.3	105
57	A conceptual model for the origin of fault damage zone structures in high-porosity sandstone. Journal of Structural Geology, 2003, 25, 333-344.	2.3	254
58	Fault tip displacement gradients and process zone dimensions. Journal of Structural Geology, 1998, 20, 983-997.	2.3	212
59	Role of Subsurface Geo-Energy Pilot and Demonstration Sites in Delivering Net Zero. Earth Science, Systems and Society, 0, 2, .	0.0	1